

FIG. 1

103211-60276660

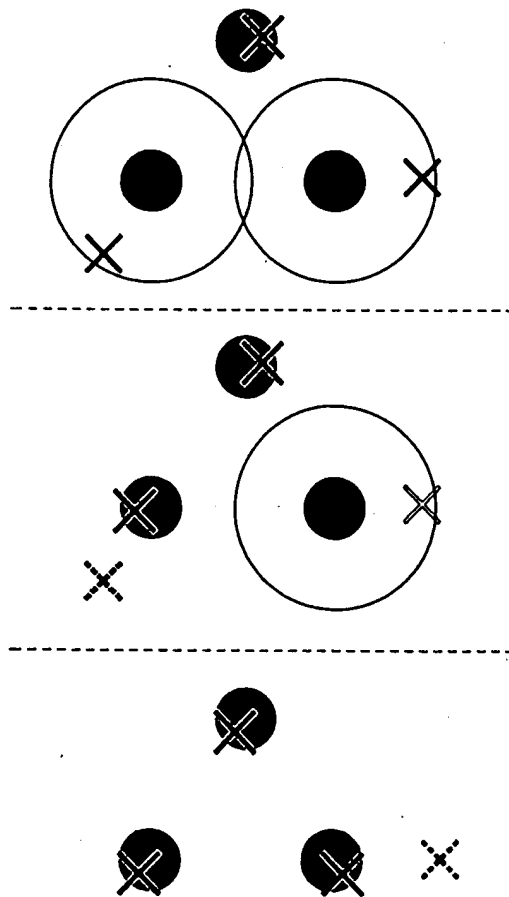


FIG. 2

FIG. 3A

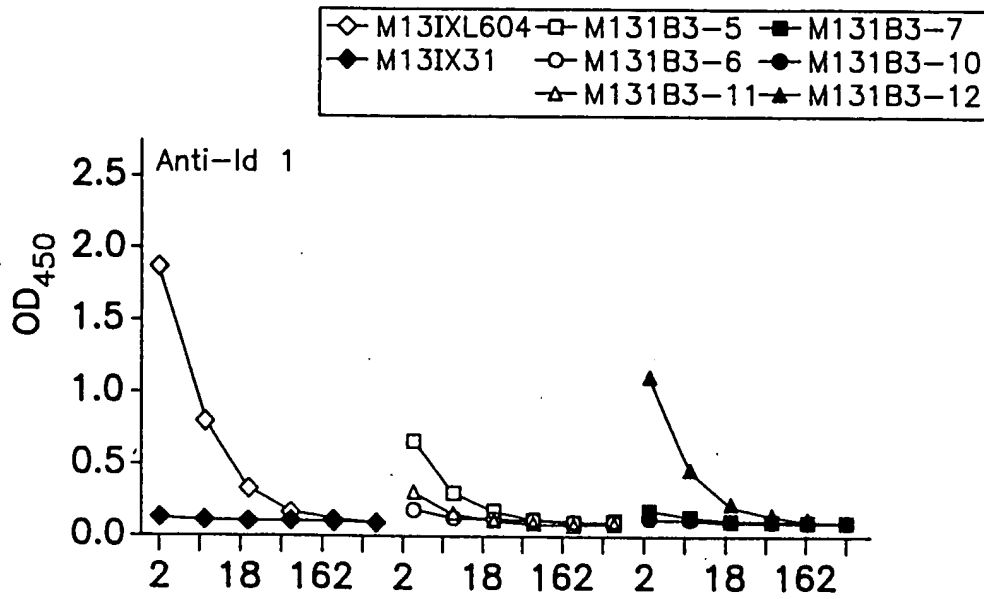


FIG. 3A

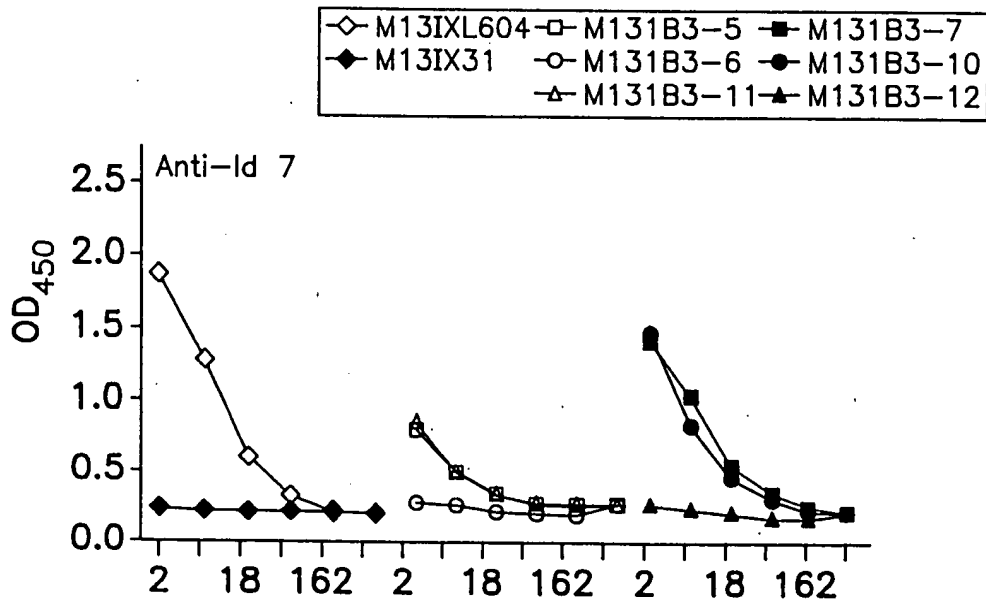


FIG. 3B

108211-602/6660

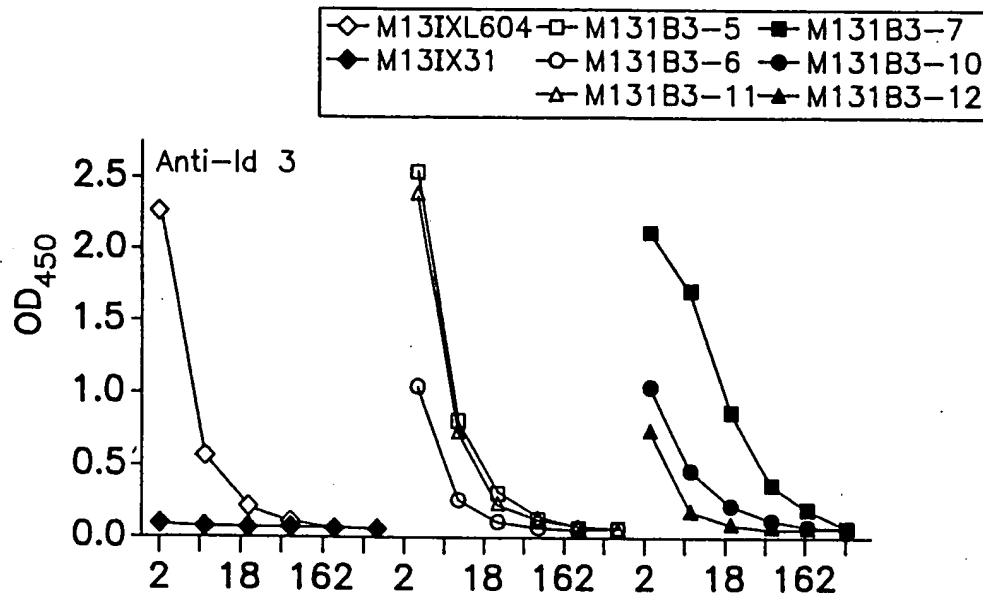


FIG. 3C

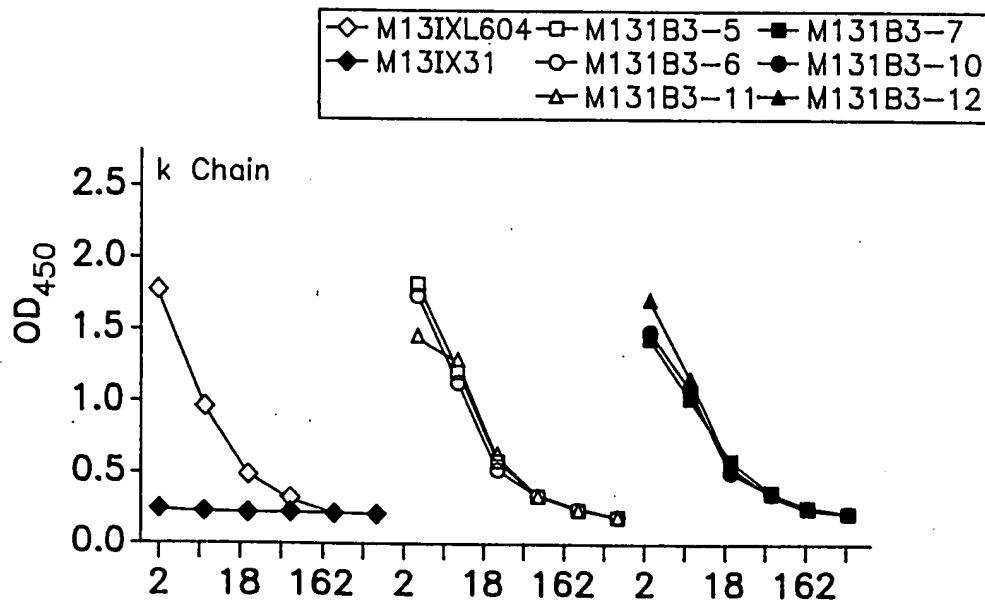


FIG. 3D

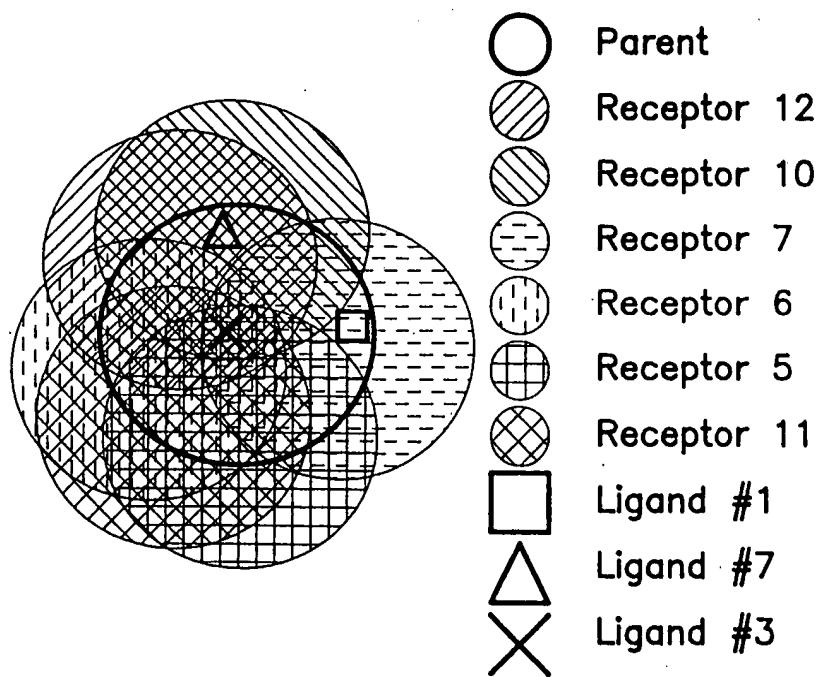
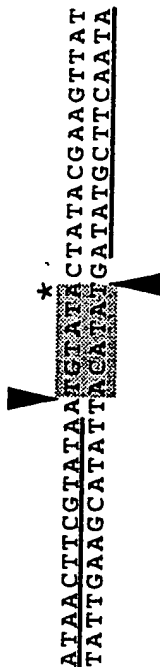


FIG. 4

**A. loxP**



**B. lox511**



**C. Cre-mediated double crossover**

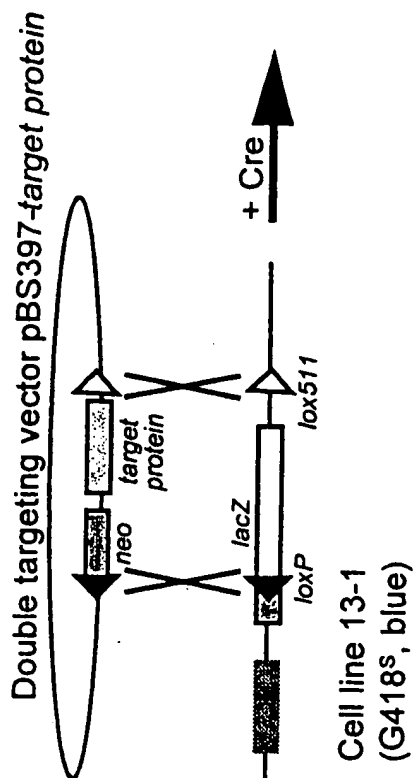


FIGURE 5

FIGURE 6

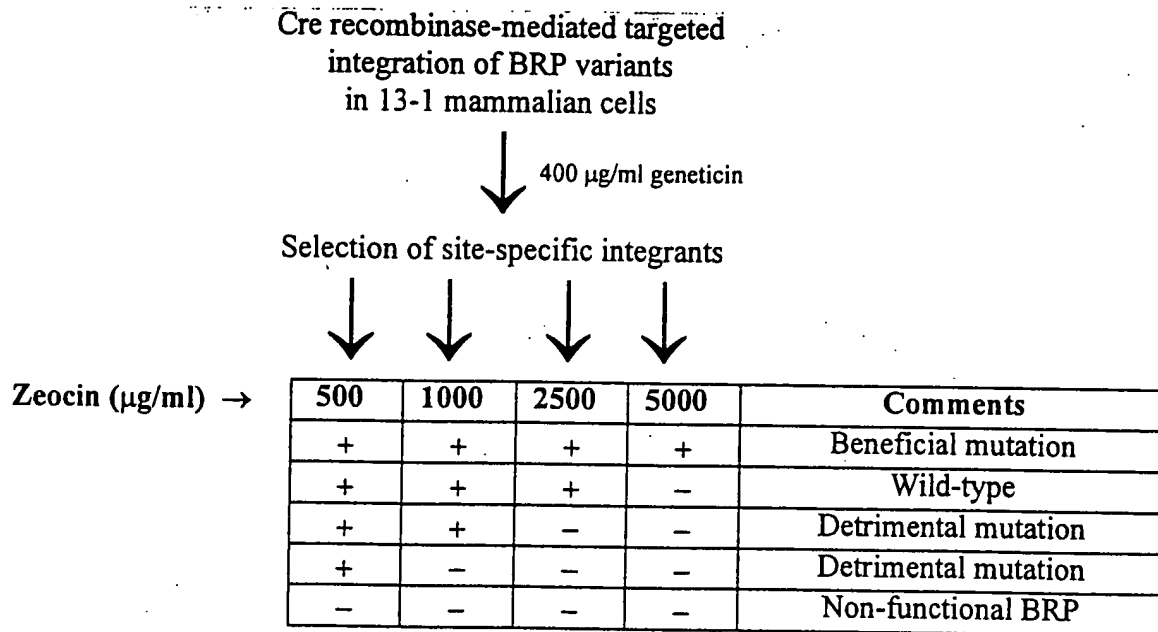


FIGURE 7



10 20 30 40 50  
EDDIIIATKNGKVRGMNLTVFGGTVTAFLGIPYAQPPLGRLRFKKPQSLTK  
60 70 80 90 100  
WSDIWNATKYANSCCQNIDQSFPGFHGSEMWNPNTDLSEDCLYLNWIPAP  
110 120 130 140 150  
KPKNATVLIWIYGGGFQTGTSSLHVYDGKFLARVERVIVVSMNYRVGALGF  
160 170 180 190 200  
LALPGNPEAPGNMGLFDQQLALQWVQKNIAAFGGNPKSVTLFGESAGAASV  
210 220 230 240 250  
SLHLLSPGSHSLFTRAILQSGSFNAPWAVTSLYEARNRTLNLAKLTGCSRE  
260 270 280 290 300  
NETEIIKCLRNKDPQEILLNEAFVVPYGTPLSVNFGPTVDGDFLTDMPDIL  
310 320 330 340 350  
LELGQFKKTQILVGVNKDEGTAFLVYGAPGFSKDNNIIITRKEFQEGLKIF  
360 370 380 390 400  
FPGVSEFGKESILFHYTDWVDDQRPENYREALGDVVGDYNFICPALEFTKK  
410 420 430 440 450  
FSEWGNNAFFYYFEHRSSKLPWPEWMGVMHGYEIEFVFGGLPLERRDNYTKA  
460 470 480 490 500 510  
EEILSRISIVKRWANFAKYGNPNETQNNSTSWPVFKSTEQKYLTNTTESTRI  
520 530 540 550 560  
MTKLRAQQCRFWTSFFPKVLEMTGNIDEAEWEWKAGFHRWNNYMMDWKNQF  
570  
NDYTSKKESCVGL

FIGURE 8